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55044/B600

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Docket No. : 30.7*6/DBP/B600

ASSIGNEE'S SUBSTITUTION OF ATTORNEY WITH
CHANGE OF ADDRESS FOR CORRESPONDENCE

Commissioner for Patents
P.O.Box 1450
Alexandria, VA 22313-1450

Commissioner:

Broadcom Corporation, assignee of the entire interest in and to each U.S. patent application and patent, identified on Exhibit A attached, under an Assignment recorded in the U.S. Patent and Trademark Office, hereby revokes all previous Powers of Attorney and appoints the practitioners associated with the

CUSTOMER NUMBER 23363

of the firm CHRISTIE, PARKER & HALE, LLP, telephone (626) 795-9900, as principal attorneys with power to appoint associate attorneys, to prosecute this application and any subsequent application based on the disclosure of this application, and to transact all business in the Patent and Trademark Office connected with this application and any subsequent application.

The authority under this Power of Attorney of each person identified by Customer Number 23363 shall automatically terminate and be revoked upon such person ceasing to be a member or associate of or of counsel to the firm.

Please direct all correspondence to **CUSTOMER NUMBER 23363**. Direct all telephone calls to 626/795-9900, **CHRISTIE, PARKER & HALE, LLP, P.O. Box 7068, Pasadena, California 91109-7068**.

Broadcom Corporation

Date: May 19, 2005

By [Signature]
Dee Henderson
Senior Manager, IP Administration

DJP PAS622239.1-*05/9/05 10:45 AM

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on:

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2-11-2005
(Date of Deposit)



EXHIBIT A

| CPH/BU NO. | APPLICATION NO./FILING DATE | PATENT NO./ISSUE DATE | TITLE |
|------------------|---------------------------------|--------------------------------|--|
| 55023/BU1180 | | 6,018,755 January 25, 2000 | Efficient Implementation of an FIR Filter on a General Purpose Processor |
| 55024/BU1180CON | | 6,209,013 March 27, 2001 | Efficient Implementation of a Filter |
| 55025/BU1180CON2 | | 6,618,739 September 9, 2003 | Digital Filter Implementation Suitable for Execution, Together with Application code, on a Same Processor |
| 55026/BU1180CON3 | 10/651,922 August 29, 2003 | | Efficient Implementation of a Filter |
| 55027/BU1181 | | 5,864,545 January 26, 1999 | System and Method for Improving Convergence During Modem Training and Reducing Computational Load During Steady-State Modem Operations |
| 55028/BU1182 | | 5,995,540 November 30, 1999 | System and method for Reducing Processing Requirements of Modem During Idle Receive Time |
| 55029/BU1182CON | | 6,766,516 July 20, 2004 | Processor Sharing Technique for Communications and Other Data Processing on a Same Processor |
| 55030/BU1182CON2 | 10/889,611 July 12, 2004 | | Processing Sharing Technique for Communications and Other Data Processing on a Same Processor |
| 55031/BU1183 | | 6,333,974 December 25, 2001 | Detection of a Call-Waiting Tone by a Modem |
| 55032/BU1183CON | | 6,496,572 December 17, 2002 | Detection of a Call-Waiting Tone by a Modem |
| 55033/BU1183CON2 | | 6,704,400 March 9, 2004 | Call-Waiting Tone Detection Technique |
| 55034/BU1183CON3 | 10/795,920 March 8, 2004 | | Apparatus, Method and Software for Call-Waiting Tone Detection |
| 55035/BU1184 | | 6,618,451 September 9, 2003 | Efficient Reduced State Maximum Likelihood Sequence Estimator |
| 55036/BU1184-1C | 10/651,924 August 29, 2003 | | Efficient Partial Response Equalization |
| 55037/BU1187 | | 6,504,865 January 7, 2003 | Digital Connection Detection Technique |
| 55038/BU1187CON | 10/299,929 November 19, 2002 | | Digital Connection Detection Technique |
| 55039A/BU1188 | 60/146,780 July 31, 1999 | | Improved Digital Impairment Learning for PCM Modems |

EXHIBIT A

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|-----------------|---------------------------------|----------------------------|---|
| 55040A/BU1189 | 60/146,779 July 31, 1999 | | Adaptive Equalization Using Decision Updating in PCM Modem Training |
| 55039/BU1188.1 | 09/627,573 July 28, 2000 | | Impairment Compensation Sequence for Communication |
| 55040/BU1189 | | 6,865,239 March 8, 2005 | Deterministic Distortion Insensitive Adaptive Receiver Using Decision Updating |
| 55041/BU1189CON | 11/066,872 February 25, 2005 | | Deterministic Distortion Insensitive Adaptive Receiver Using Decision Updating |
| 55042/BU1188.2 | 09/627,572 July 28, 2000 | | Categorization of Impairments Affecting a Communication Channel |
| 55043/BU1188.3 | 09/627,571 July 28, 2000 | | Impairment Sensitive Selection of Constellation Points for Communication Across a Channel |
| 55044/BU1500 | 09/658,754 September 8, 2000 | | Method and Apparatus to Identify a Remote Communication Apparatus and Enhance Communication Performance Based on the Identification |
| 55046A/BU1703 | 60/261,742 January 16, 2001 | | Selectable Training Signals Based on Stored Previous Connection Information for DMT-Based System |
| 55046/BU1703 | 09/863,522 May 23, 2001 | | Selectable Training Signals Based on Stored Previous Connection Information for DMT-Based System |